



FACILITY COMPLIANCE AUDIT REPORT
Division of Waste Management
Solid Waste Section

UNIT TYPE:

Lined MSWLF		LCID		YW		Transfer		Compost		SLAS		COUNTY: Durham PERMIT NO.: 32-091 FILE TYPE: COMPLIANCE
Closed MSWLF		HHW		White goods		Incin	X	T&P		FIRM		
CDLF		Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDTF		

Date of Audit: 9/3/08

Date of Last Audit: 10/31/06

FACILITY NAME AND ADDRESS:

GlaxcoSmithKline, Inc.
3029 Cornwallis Road
RTP, Durham County, NC

GPS COORDINATES: N: 35.92026 E: -78.86762**FACILITY CONTACT NAME AND PHONE NUMBER:**

Neal Parker 919-483-1696

FACILITY CONTACT ADDRESS (IF DIFFERENT):

5 Moore Drive, Nth-P1156
GlaxoSmithKline, RTP, NC 27709

AUDIT PARTICIPANTS:

Neal Parker, Manager Environmental, Health, Safety Operations
Chris Marriott, NC DENR

STATUS OF PERMIT:

Original Issue (PTO): February 8, 1996
Modification/Renewal (change in ownership/change in service area): May 14, 2002
Amendment (Permit Renewal): March 22, 2007
Permit Review Date: March 22, 2012

PURPOSE OF AUDIT:

Comprehensive Audit

NOTICE OF VIOLATION(S):

None

You are hereby advised that, pursuant to N.C.G.S. 130A-22, an administrative penalty of up to \$15,000 per day may be assessed for each violation of the Solid Waste Statute or Regulations. If the violation(s) noted here continue, you may be subject to enforcement actions including penalties, injunction from operation of a solid waste management facility or a solid waste collection service and any such further relief as may be necessary to achieve compliance with the North Carolina Solid Waste Management Act and Rules.

STATUS OF PAST NOTED VIOLATIONS:

None

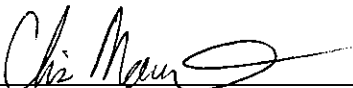
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AREAS OF CONCERN AND COMMENTS:

- 1) The facility is a medical waste incinerator that operates 4 days a week (Tuesday-Friday), 8-10 hours per day. The incinerator unit is cleaned each Monday.
- 2) The facility accepts waste from GlaxoSmithKline's nationwide facilities. The only non-GSK waste is law enforcement seizure of controlled substances.
- 3) Less than 10% of the waste accepted and incinerated at the facility is infectious waste.
- 4) The facility has an NCDENR Air Quality permit (4612T208), issued on April 23, 2008.
- 5) The Solid Waste permit was reviewed.
- 6) The Operational and Contingency Plans were reviewed
- 7) The following individuals have undergone incinerator operations training: Neal Parker, Norman Anderson, Michael Olsen, Larry Wells, and Greg Brooks. The class and examination were completed September 10, 2007.
- 8) Facility ash logs were reviewed. Ash is sent to Upper Piedmont Landfill in Person County for disposal. Ash is sampled quarterly for TCLP parameters. The permit requires sampling twice per year.
- 9) The facility has floor drains to control leachate, spilled liquids, and ash dewatering. The floor drains are connected to the Durham Sanitary Sewer.
- 10) Facility uses lime as part of air quality controls. Spent lime is kept in a covered water tight container outside the building. Lime samples for TCLP parameters are taken prior to shipment to Upper Piedmont Landfill. Lime is stored on-site until laboratory results indicate that all TCLP parameters are at a non-hazardous level.
- 11) All waste is kept inside prior to incineration.
- 12) Any biological wastes (animal bedding, carcasses, etc.) are kept in a refrigerated area until loaded into the incinerator. The refrigerator was at 35.9 degrees Fahrenheit at the time of inspection.
- 13) Most biological waste is charged into the incinerator on the day it arrives at the facility. The longest lag time on biological waste is 4 days (Friday-Tuesday).
- 14) At the time of inspection the lower incinerator chamber was 1525 degrees Fahrenheit. The operational parameter for this chamber is a minimum of 1500 degrees.
- 15) The upper chambers were at 1829 and 1837 degrees Fahrenheit, respectively. The upper chambers are required to remain above 1800 degrees.
- 16) On August 19, 2008 the facility incinerated 11,188 lbs. of waste. This amount of waste represents a charging rate of 1598 lbs/hr. The waste on August 19, 2008 consisted of biological waste (bedding) and sharps.

Please contact me if you have any questions or concerns regarding this audit report.

Chris Marriott  (signature) Phone: 336-771-5090

Environmental Senior Specialist
Regional Representative

Distribution: original signed copy to facility -- e-mail to compliance officer -- e-mail or copy to super

Delivered on : September 9, 2008 by	X	e-mail		US Mail		Certified No. []
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